IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant

Edwin A. Suominen

Art Unit:

2745*

Serial No.

10/_____

Examiner:

Kincaid, L.*

Filing Date

August 25, 2003

* In parent application

Title

Simplified High Frequency Tuner and Tuning Method

MAIL STOP PATENT APPLICATION Commissioner for Patents PO Box 1450 Alexandria, Virginia 22313-1450

Express Mail Label No.: EU 332760496 US

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicant discloses the following references, which are listed on Form PTO-1449 attached to this document. Each of these references was previously cited or submitted in at least one of the parents to this application, Serial Nos. 09/713,761; 09/317,781; and 10/032,526. Pursuant to MPEP 609, copies of the references are not included.

Please feel free to contact the undersigned if it would in any way advance prosecution of this application.

Dated: August **25**, 2003

Respectfully submitted,

Edwin A. Suominen Reg. No. 43,174

LOUIS J. HOFFMAN, P.C. 14614 North Kierland Boulevard Suite 300 Scottsdale, Arizona 85254 (480) 948-3295

Form PTO-1449 (Modified)

Page 1 of 5

List of Patents and Publications For Applicant's Information Disclosure Statement

Serial No.:

10/_____

Applicant(s):

Edwin A. Suominen

Group:

Filed:

August <u>25</u>, 2003

Examiner	Document				<u>-</u>	
nitials	<u>Number</u>	<u>Date</u>	<u>Name</u>	<u>Class</u>	<u>Subclass</u>	§ 102(e) Date
provided only for pat	ents issued less than	one year before	appl icant's earliest claimed f	iling date.		
A	6,073,000	06/02	Shinohara	455	310	07/96
В	5,974,306	10/99	Hornak et al.	455	323	08/97
C	5,950,119	09/99	McGeehan et al.	455	302	09/97
D	5,887,247	03/99	Baltus et al.	455	277.2	11/97
E	5,875, 2 12	02/99	Fleek et al.	375	329	10/94
F	5,828,955	10/98	Lipowski et al.	455	324	08/95
G	5,826,180	10/98	Golan	455	302	08/94
Н	5,815,529	09/98	Wang	375	285	04/96
I	5,811,972	09/98	Thompson et al.	324	338	03/94
J	5,809,090	09/98	Buternowsky et al.	375	347	03/96
K	5,802,463	09/98	Zuckerman	455	208	08/96
L	5,784,418	07/98	Skyes et al.	375	347	04/95
M	5,784,414	07/98	Bruekers et al.	375	324	09/95
N	5,761,615	06/98	Jaffee	455	314	05/95
0	5,758,274	05/98	Vu et al.	455	246.1	03/96
P	5,742,274	04/98	Yoshida et al.	327	113	09/95
Q	5,734,976	03/98	Bartschi et al.	455	333	03/95
R	5,715,529	02/98	Kianush et al.	455	266	05/93
S	5,696,796	12/97	Poklemba	375	316	06/95
T	5,682,099	10/97	Thompson et al.	324	338	06/95
U	5,640,698	06/97	Shen et al.	455	323	06/95
V	5,619,206	04/97	Cole, Jr. et al.	342	37	11/95
W	5,588,025	12/96	Strolle et al.	375	316	03/95
X	5,548,244	08/96	Clewer	329	318	11/94
Y	5,528,633	06/96	Halik et al.	375	326	06/94
Z	5,461,643	10/95	LaRosa et al.	375	329	04/93
AA	5,438,329	08/95	Gastouniotis et al.	340	870.02	,
AB	5,402,449	03/95	Schultes et al.	375	94	
AC	5,376,894	12/94	Petranovich	329	306	
AD	5,375,146	12/94	Chalmers	375	103	

Form PTO-1449 (Modified)

Page 2 of 5

List of Patents and Publications For Applicant's Information Disclosure

Serial No.:

10/_____

Statement

Applicant(s):

Edwin A. Suominen

Group:

Filed:

August **25**, 2003

U.S. PATENT DOCUMENTS							
Examiner		Document					
<u>Initials</u>		Number	<u>Date</u>	<u>Name</u>	<u>Class</u>	<u>Subclass</u>	§ 102(e) Date*
*provided only for	pater	nts issued less than	one year before a	pplicant's earliest claimed fi	ling date.		
A	ΑE	5,355,513	10/94	Clarke et al.	455	20	
A	٨F	5,341,107	08/94	Bijker et al.	329	337	
A	٩G	5,315,425	05/94	Van Deventer et al.	359	153	
A	ŀΗ	5,249,203	09/93	Loper	375	97	
A	ΑI	5,230,099	07/93	Loper	455	324	
A	٩J	5,214,796	05/93	Gorrie et al.	455	326	
	λK	5,142,553	08/92	Rosenkranz	375	<i>7</i> 5	
A	AL	5,125,008	06/92	Trawick et al.	375	349	
A	λM	5,121,070	06/92	Tomita	329	304	
A	٩N	5,010,399	04/91	Goodman et al.	358	85	
F	ΑO	5,003,621	03/91	Gailus	455	324	
A	٩P	4,994,769	02/91	Kishi	332	170	
F	AQ.	4,992,736	02/91	Stormont et al.	324	309	
A	٩R	4,965,853	10/90	Barnard	455	209	
A	AS	4,953,182	08/90	Chung	375	97	
	A T	4,944,025	07/90	Gehring et al.	455	207	
A	٩U	4,914,408	04/90	Voorman	333	167	
A	٩V	4,884,265	11/89	Schroeder et al.	370	70	
F	٩W	4,864,643	09/89	French et al.	455	302	
A	λX	4,859,960	08/89	Standford et al.	329	126	
A	ΑY	4,803,700	02/89	Dewey et al.	375	77	
A	٩Z	4,737,728	04/88	Nakamura et al.	329	110	
E	3A	4,675,882	06/87	Lillie et al.	375	345	
E	3B	4,584,715	04/86	Baars et al.	455	302	
	3C	4,241,451	12/80	Maixner et al.	455	202	
	3D	3,992,616	11/76	Acker	455	318	
	BE	3,961,262	06/76	Gassmann	325	345	

Examiner:	Date Considered:
-----------	------------------

Form	PTO	-1449	(Mo	difie	d)

Page 3 of 5

List of Patents and Publications For **Applicant's Information Disclosure** Serial No.:

10/_____

Statement

Applicant(s):

Edwin A. Suominen

Group:

Filed:

August **25**, 2003

FOREIGN PATENT DOCUMENTS							
Examiner		Document					Translation
<u>Initials</u>		<u>Number</u>	<u>Date</u>	Country	<u>Class</u>	<u>Subclass</u>	Yes / No
	BF	0 651 522 A1	05/95	EPO	H04B	01/26	-
	BG	0 351 156 B1	03/90	EPO	G01S	5/14	
	BH	0 508 401 A2	04/92	EPO			
	BI	0 595 277 A1	10/93	EPO			Yes
	BJ	0 602 394 A2	11/93	EPO			
	BK	WO 94/10756	05/94	PCT			
	BL	WO 94/29948	12/94	PCT			

Examiner:	 Date Considered:
ixaminer:	 Date Considered:

Form PTO-1449 (Modified) List of Patents and Publications For Applicant's Information Disclosure		(Modified)	Page 4 of 5		
			Serial No.:	10/	
Statemen			Applicant(s):	Edwin A. Suominen	
			Group:		
			Filed:	August 25, 2003	
_		O	THER ART		
Examiner					
<u>Initials</u>	ВМ	Osing Commercial GaAs-r	Chip Image Rejecting Reco MESFET-Technology." in 1	eiver for the 2.44 GHz Band EEE Journal of Solid-State	
	BN	T. Okanobu et al., "An Adva	ober 1994, pp. 1244-1249. Inced Low Power Radio 1 C	hip IC " in IEEE Transactions	
	ВО	on Consumer Electronics, Vo D. Yamazaki et al., "A Com	iplete Single Chip AM Ster	eo/FM Stereo Radio IC " in	
	BP	R. van Gils et al., "2.5 Gbit	mer Electronics, Vol. 40, No. /s CPFSK Svstem with Low	3 August 1004 pm E62 E60	
	BQ	A. Abidi, "Radio-Frequency	1994, pp. 1153-1154. Integrated Circuits for Po	ortable Communications" in	
	BR	G. Jacobsen, "Low IF Qua	<u>l Circuits Conference</u> , May 1 drature Optical High Sen	1994, pp. 151-158. sitivity ASK Receivers " in	
	BS	C. Demeure, "A Portable F	10. 13, June 1994, pp. 1026-1(IF Transceiver with Digita)28. 1 IF." in Fifth International	
	BT	D. Ehrhardt and T. Benkn	tems and Techniques, July 1 ter, "Digital TV Receiver	991, pp. 290-294.	
	BU	T. Okanobu, "Advanced Lov	<u>lectronics</u> , Vol. 39, No. 3, Au v Voltage Single Chip Radi	gust 1993, pp. 331-339	
	BV	B. Henderson and J. Cook,	1. 38, No. 3, August 1992, pp "Image-Reiect and Single-S	465-475	
	BW	"Low Cost RF Modem," IB	1e 1985.		
	BX	J. Crols and M. Steyaert,	'An Analog Integrated Po	alvohase Filter for a High	
	BY	Performance Low-IF Receiver pp. 87-88. J. Crols and M. Steyaert, "La Ends of Fully Integrated Rece Vol. 45, No. 3, March 1998, pp	ow-IF Topologies for Higherivers," in IEEE Transaction	mposium, Kyoto, June 1995,	
Examiner:	_		Date Considered:		

Form PTO-1449 (Modified)		Page 5 of 5		
List of Patents and Publications For Applicant's Information Disclosure		Serial No.:	10/	
Statement	mation Discussife	Applicant(s):	Edwin A. Suominen	
		Group:		
		Filed:	August 25, 2003	
		Other Art		
BZ			n for Wireless Communications	
CA	A. Fernandez-Duran, et a	l., Alcatel, "Zero-IF Receiv	oter by Asad A. Abidi, UCLA). er Architecture for Multistandard echnology Conference, May 1996,	
СВ	F. Oscarsson and A. Line	dblad,; National Defence : With Digital Quadrature Sp	Research Establishment, Sweden, plitting," 1993, pp. 1267-1271.	
CC	PHILIPS SEMICONDUCTORS, Specification Sheet, "Image Rejecting Front-end GSM Applications, UAA2072M."			
CD	J. Paez-Borrallo and F. Casaju Quiros, "Self Calibrating Low IF Digital Image Rejection Receiver For Mobile Communications" (believed presented at conference			
CE	Sept. 10, 1996). F. Casaju Quiros and J. Pa RACE Mobile Telecommu 1.	nez Borrallo; "A Low If Imunications Summit, Cascai	age Rejection Receiver For DECT, s, Portugal, Nov. 22-24, 1995, Vol.	
CF	J. Crols, et al., "A Singl	ology," <u>IEEE Journal of So</u>	Receiver Front-End with a High <u>lid-State Circuits</u> , Vol. 30, No. 12,	
CG	J. Wuorinen, "A Ful Downconverter," 1995 IE	lly Integrated 900MHz	te Circuits Conference, Digest of	
СН	P. Gray, et al., "Future D	Pirections in Silicon ICs for	r RF Personal Communications," recuits Conference, Berkeley, CA,	
CI	R. Hawley, et al., "A 300 MHz Digital Double-Sideband to single-Sideband Converter in 1 pm CMOS," <u>IEEE Journal of Solid-State Circuits</u> , Vol. 30, No. 1			
CJ		Transceiver," IEEE 199	w-Power Frequency-Hopped 900 4 Custom Intergrated Circuits	
Examiner:		Date Conside	wad.	